

A Management & Leadership Training Course

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# **Engineering Project Management**

Mastering the Delivery of Engineering Projects

### Upcoming Sessions

15-19 Jul 2024	London - UK	\$5,950
23-27 Sep 2024	Dubai - UAE	\$5,950
27-31 Jan 2025	lstanbul - Turkey	\$5,950
14-18 Jul 2025	London - UK	\$5,950
22-26 Sep 2025	Dubai - UAE	\$5,950

## Training Details

## Why Choose this Training Course?

Engineering projects are universally acknowledged as the most demanding and intricate endeavors due to their constant push towards advancing technology and human capabilities to achieve superior and more efficient outcomes. These projects unfold in highly diverse environments, each presenting unique challenges. The repercussions of a failed engineering project can be devastating, spanning from serious health and safety implications to environmental harm and substantial financial liabilities.

Effective and efficient management of engineering projects is therefore paramount. Inadequate management can lead to delays and budget overruns at best, and at worst, tragic human consequences, environmental degradation, and significant financial setbacks.

This Engineering Project Management training course is meticulously crafted to enhance the skills of current and aspiring Project Managers, Engineers, and Team Leaders in essential aspects of engineering project management. It equips them with the expertise needed to successfully oversee and execute engineering projects of any scale and complexity, ensuring optimal outcomes and mitigating risks.

#### This Anderson training course will feature:

- Understanding the fundamentals of engineering project management
- Key project management skills needed to maximise project performance
- Planning, organising, implementing, and controlling engineering projects
- Managing engineering project risks
- Engineering project scheduling and progress measurement techniques

### What are the Goals?

#### By the end of this training course, participants will be able to:

- Apply a professional, systematic approach to managing engineering projects
- Define project scope, establish realistic objectives, and accurately specify project deliverables
- Produce realistic project plans and identify the schedule critical path.
- Effectively manage project risks

- Establish essential project control methods and procedures
- Understand how to apply proven project estimating and progress measurement techniques
- Understand PMI's specific methods, processes, and expectations for managing project risks

### Who is this Training Course for?

The training course is tailored for all personnel who are exposed to, involved in, or responsible for, the successful delivery of engineering projects of all sizes and complexity levels.

#### This course is suitable to a wide range of professionals but will greatly benefit:

- Technical Assistants
- Procurement Managers & Asset Managers
- Cost Estimators & Project Planners
- Project Engineers & Discipline Engineers
- Project Managers & Contract Managers
- Quality Assurance Managers
- Project Directors

#### How will this Training Course be Presented?

This Anderson training course will utilise a variety of proven adult learning techniques to ensure maximum understanding and retention of the information presented. This includes holding group discussions and exercises that will enable delegates to share their own experiences and apply the course concepts. Hands-on exercises and case studies will provide an opportunity to practice the use of the models, techniques and competencies covered. Personal assessment, reflection and action planning will ensure that delegates know how to put what they have learned into practice.

## Training Details

#### **Day One: Engineering Project Fundamentals**

- Key Project Terms & Definitions
- The Engineering Project Lifecycle
- Engineering Project Complexity Factors
- Understanding Project Environment & Context
- Defining Engineering Project Scope
- Key Financial Concepts

### **Day Two: Engineering Project Planning & Organising**

- Identifying Objectives & Prioritising Goals
- Engineering Project Planning Methods
- Developing Work & Cost Breakdown Structures
- Project Management Roles & Responsibilities
- Project Estimating Techniques
- Project Scheduling Methods

### **Day Three: Implementing & Controlling Engineering Projects**

- Project Resource Management
- Developing Project Control Systems
- Applying Formal Management of Change
- Engineering Document Reviews & Control
- The Project Risk Management Process

#### **Day Four: Performance & Progress Measurement**

- Measuring Projects for Success
- Project Management Success Factors
- Project Monitoring & Reporting Methods
- Key Performance Indicators
- Performance Measurement (Earned Value Management)
- ► The Time-Cost Trade-off

## **Day Five: Engineering Project Leadership**

- Project Interface Management
- Team Building & The Team Development Cycle
- Communication, Delegation, and Motivation Skills
- Running Effective Project Meetings
- Managing Stakeholder Expectations
- Successfully Closing Engineering Projects

## The Certificate

Anderson Certificate of Completion will be provided to delegates who attend and complete the course

INFO & IN-HOUSE SOLUTION

For more information about this course, call or email us at:

Call us: +971 4 365 8363

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Request for a Tailor-made training and educational experience for your organization now:

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